

## Index to Volume 16\*

### A

- Acute anticholinergic syndrome  
  treatment of with physostigmine, 269-270  
  treatment of with 1,2,3,4-tetrahydro-5-amino acridine (THA), 269-281
- Alcohol, pharmacology and toxicology of, 409-411
- Alcoholics, chronic, EEG correlates of organic brain syndrome among, 345-358
- Alcorn, E. E., 297-298
- Allergic reactions to topical drugs, 415-465  
  antiperspirants, 423-424  
  antipruritic agents, 422-423  
  antipsoriatic agents, 420-421  
  antiseptics and disinfectants, 429-433  
  clinical aspects of, 416-417  
  diagnostic tests for, 418-419  
  epidemiology of, 415-416  
  immunochemical, pharmaceutical, and pharmacologic aspects of, 417-418  
  local anesthetics, 421-422  
  local antibiotics and chemotherapeutics, 424-428  
  miscellaneous topical drugs, 445-447  
  [Allergic reactions to topical drugs]  
    patch test vehicle constituents, 438-442  
    perfumes, 442-444  
    photocontact dermatitis, 436-438  
    plant-derived, 444-445  
    preservatives, 433-436  
    steroids, 428-429  
    vitamins, 436
- Altman, F., 269-281
- Amatoxins, method for detection of in mushrooms, 401-402
- American Academy of Clinical Toxicology, establishment of, 362
- American Association of Poison Control Centers, 1978-1979 committees of, 397-400
- 4-Aminopyridine, 487-497  
  clinical applications of, 493  
  neuropharmacology of, 492-493  
  pharmacology of, 491-492  
  poisoning with, 488-490  
  management of, 494-495  
  toxicology of, 490-491
- Amyl nitrite. See Nitrites, aliphatic
- Anderson, K. E., 415-465
- Anesthetics, local, contact allergies to, 421-422

\*This index contains the names of all contributors to Volume 16, 1980.

- Antibiotics, local, contact allergies to, 424-428  
 Antiperspirants, contact allergies to, 423-424  
 Antipruritic agents, contact allergies to, 422-423  
 Antiseptics, contact allergies to, 429-433  
 Aprobarbital, on-column gas chromatographic synthesis of 1,3-dialkyl, benzyl, and cyclohexyl derivatives of, 189-199  
 Aspirin. *See* Salicylate  
 Aterman, K., 263-268  
 Autian, J., 361-363  
 Avicide. *See* 4-Aminopyridine

## B

- Barbiturates  
   separation of by reverse-phase thin-layer chromatography, 219-221  
   *See also* Aprobarbital; Pento-barbital; Phenobarbital; Secobarbital  
 Bedford, J. A., 499-508  
 Behari, J. R., 33-40  
 Benzo[a]pyrene, oral, effects of  
   on bone marrow of genetically responsive and nonresponsive mice, 99-122  
   on benzo[a]pyrene metabolism, 111-113  
   on blood profile, 111  
   on pharmacokinetic uptake and fate of benzo[a]pyrene, 114-116  
 Benzoyllecgonine, thin-layer chromatographic method of analysis of in urine, 1-5  
 Binder, J. W., 287-295  
 Birth defects  
   decline in rate of, 259  
   *See also* Infant  
 Bress, W., 219-221  
 Budd, R. D., 1-5, 55-59, 61-66, 181-188, 189-199, 201-207,

- [Budd, R.D.]  
 209-217  
 Butyl nitrite. *See* Nitrites, aliphatic

## C

- Cactus, psychoactive, catecholamine metabolism in, 233-241  
 Calcium oxalate crystals, atypical shape of in ethylene glycol poisoning, 479-486  
 California Association of Toxicologists, literature review of, 247-255  
 Cancer  
   and dichlorodiphenyltrichloroethane (DDT), 389-390  
   *See also* Carcinogenicity  
 Capurro, P. U., 549-553  
 Carbamazepine poisoning, interpretation of relapse in and therapeutic measures for, 285-387  
 Carbamyl, airway irritation from, 297-298  
 Carbon monoxide intoxication  
   acute signs and symptoms of, 288  
   in children, 287-295  
   chronic signs and symptoms of, 290  
 Carbon tetrachloride, effect of pentobarbital on serum enzyme activities elevated by, in mice and rats, 41-50  
 Carcinogenicity, of chlorobenzilate in mice, rats, and dogs, 67-98  
 Carlen, P. L., 345-358  
 Catecholamine metabolism, in psychoactive cactus, 233-241  
 Chang-Tsui, Y.-Y. H., 41-50  
 Charcoal, "superactive," adsorption of drugs by compared with standard antidotal charcoal, 123-125

- Chelating agents, treatment of chromate poisoning by, 33-40
- Chemotherapeutics, contact allergies to, 424-428
- Cheney, C. D., 149-166
- Children  
carbon monoxide intoxication in, 287-295  
hospitalization of due to accidental ingestions, 378  
See also Infant
- Chlorobenzilate, carcinogenicity of, 67-98  
in dogs, 94-95  
in mice, 68-77  
in rats, 77-94
- Chlorpromazine (Thorazine), efficacy of as antedote to lethal levels of cocaine in the monkey, 504, 506-507
- Chromium, removal of from organs of potassium chromate-administered rats by polyaminocarboxylic acids, 33-40
- Clinical pharmacology and clinical toxicology, concepts to facilitate a combined program of, 371-376
- Clinical toxicology  
education of health professionals in, 365-370  
See also Clinical pharmacology and clinical toxicology
- Cocaine  
effects of acid or alkaline pretreatment on metabolism of, in rats, 135-148  
tissue distribution, 137-140  
urinary excretion, 140-141  
effects of intravenously induced lethal levels of in the monkey, 499-508  
efficacy of propranolol, diazepam, and chlorpromazine as antedotes for, 504, 506-507  
physiological and behavioral responses to, 501-503, 506
- Cocaine metabolite. See Benzoylecgonine
- Codeine, thin-layer chromatographic method of analysis of in urine, 61-66  
via derivatization techniques, 181-188
- Coma, drug-overdose caused, naloxone, activated charcoal, glucagon, doxapram (NAGD) regime for management of, 395-396
- Comstock, E. G., 531-539, 541-548
- Conner, C. S., 283-286
- Contact allergy. See Allergic reactions to topical drugs
- Cooney, D. O., 123-125
- Coutselinis, A., 385-387
- Cromer, B., 257-258
- Cyanide, temperature dependence in in vitro conversion of thiocyanate to, 127-128
- D
- Davidow, B., 7-15
- Deckert, F. W., 175-180
- Dextraze, P., 51-54
- DDT. See Dichlorodiphenyltrichloroethane
- Diamond, I., 51
- Diazepam (Valium)  
efficacy of as antidote to lethal levels of cocaine in the monkey, 504, 506-507  
EMIT-thin-layer chromatographic method for analysis of in urine, 201-207
- Dichlorodiphenyltrichloroethane (DDT)  
and cancer, 389-390  
comparative effects of mineral oil, vegetable oil, and sodium sulfate on intestinal adsorption of in rats, 223-231
- Disinfectants, contact allergies to, 429-433
- Dog studies

## [Dog studies]

- carcinogenicity of chlorobenzilate in, 94-95
- in vivo saline-filled lung model used in ethchlorvynol-induced pulmonary edema in, 25-31

Drugs and alcohol, international congress on, 413-414

## E

EEG. See Electroencephalogram

Egekeze, J. O., 127-128

Eitan, B.-D., 467-472

Electroencephalogram, correlates of in alcohol-induced organic brain syndrome, 345-358

Ellenberger, H. A., 263-268

Embryotoxicity, of locoweed in rats, 149-166

EMIT method, assay of procainamide and N-acetylprocainamide by, 51-54

EMIT-thin-layer chromatography, analysis of urine samples for diazepam by, 201-207

Endogenous toxins, knowledge of in medical curriculum, 366-367

Envenomation, by a juvenile Malayan pit viper, 299-303

Ethchlorvynol, role of histamines and prostaglandins in pulmonary edema induced by, in dogs, 25-31

Ethylene diamine di(0-hydroxyl-phenyl acetic acid) (EDDHT), removal of chromium by, 33-40

Ethylene glycol poisoning, atypical calcium oxalate crystals in, 479-486

## F

Fairman, R. P., 25-31

Falls, R., 25-31

Farris, R. D., 509-529

Federated Societies of Toxicology, suggestion for and purpose of, 362-363

Felton, J. S., 99-122

Fischer, J. M., 269-281

Fluoride

- action of on bones, 392-393
- endemic fluorosis and fluorosis in industry, 393-394
- environmental impact of, 391-392

Fluoride research, report of meeting on, 391-394

Fretthold, D., 175-180

Frolich, J., 479-486

## G

Garriott, J., 305-315

Gas chromatography, on-column, synthesis of 1,3-dialkyl, benzyl, and cyclohexyl barbiturate derivatives by, 189-199

Gay, G. R., 395-396, 509-529

Genetic effects, in toxic chemical depression of the bone marrow in mice, 99-122

Glauser, F. L., 25-31

Godolpin, W., 479-486

Goldberg, L., 365-370

Green, V. A., 245-246

Griffiths, W. C., 51-54

Guinn, M. M., 499-508

## H

Halevy, J., 467-472

Haley, T. J., 317-329

Hayes, M., 51-54

Hays, D. P., 331-333

Health professionals, education of in clinical toxicology, 365-370

Heroin substitute. See Pentazocine-tripelenamine combinations

Hexamethylene 1,6-diamino tetra-

## [Hexamethylene]

- acetic acid (HDTA), removal of chromium by, 33-40
- High-performance liquid chromatography, reverse-phase, assay of procainamide and N-acetylprocainamide by, 51-54
- Histamine receptors, role of in increased lung permeability induced by ethchlorvynol, 25-31
- Ho, I. K., 41-50
- Holzbecher, M., 263-268
- Hospitalization, as a measure of clinical toxicity, 377-380
- Huff, J. E., 389-390, 405-406
- Hughes, J. H., 297-298
- Huszar, L., 345-358
- Hymenoptera, venomous, 257-258

## I

## Infant

- newborn, teratogenic effects on, of topical application of podophyllum on mother during pregnancy, 283-286
- stillborn, salicylate levels in, born to a drug-addicted mother, 263-268
- See also Birth defects
- Inhalant abuse, toxicology and pathology of deaths from, 305-315
- Isobutyl nitrite. See Nitrites, aliphatic
- Isoniazid, acute toxicity from, 407-408

## J

- James, L. F., 149-166
- Jensen, N. M., 99-122
- Johnson, B. F., 331-333
- Joiner, L., 247-255

## K

- Kane, R. P., 123-125
- Kaplan, H. L., 345-358
- Kardong, K. V., 299-303
- Karol, M. D., 283-286
- Katz, N. L., 17-23
- Kaufman, K. R., 269-281
- Kaul, B., 7-15
- Keller, W. C., 223-231
- Keller, W. J., 233-241

## L

- Lallemant, A. M., 135-148
- Leung, W. J., 55-59, 61-66
- Levitt, R. C., 99-122
- Locoweed, embryotoxicity of in rats, 149-166
- Long, W., 219-221
- Lukash, L., 219-221
- Lynch, C., 487-497

## M

- McLellan, A. T., 473-478
- Maibach, H. L., 415-465
- Manning, R., 219-221
- Manoguerra, A. S., 407-408
- Mathis, D. F., 1-5, 61-66, 181-188
- Meagher, E. P., 479-486
- Medical toxicology, current literature on, 531-535, 541-547
- Meixner text, for detection of amatoxins in mushrooms, 401-402
- Metals. See Chromium
- Methadone and its primary metabolite, thin-layer chromatographic method for analysis of in urine, 55-59
- Methaqualone-related substances, correlations between structure and reactivity in radioimmunoassay of, 209-217

## Mice studies

- carcinogenicity of chlorobenzilate in, 68-77
- effect of pentazocine-tripelenamine combinations on lethality in, 17-23
- effect of pentobarbital on carbon tetrachloride-induced toxicity in, 41-50
- genetically responsive and non-responsive, effects of benzo[a]pyrene on, 99-122

Millen, J. E., 25-31

Mineral oil, effects of on intestinal adsorption of DDT in rats, 223-231

Mintz, J., 473-478

Mitchell, J., 51-54

Monkey studies, effect of intravenously induced lethal levels of cocaine on and antedotal efficacy of propranolol, chlorpromazine, and diazepam, 499-508

Morphine, thin-layer chromatographic method for analysis of in urine, 61-66

via derivatization techniques, 181-188

Morris, R. W., 17-23

Murphrey, K. J., 283-286

Mushrooms, method for detection of amatoxins in, 401-402

## N

N-acetylprocainamide (NAPA), comparison of EMIT and reverse-phase high-performance liquid chromatography in assay of, 51-54

NAGD (naloxone, activated charcoal, glucagon, doxapram) regime, in the management of coma caused by drug overdose, 395-396

Naphtha, toxicity with intravenous injection of, 335-343

$\alpha$ -Naphthoflavone, modification of oral benzo[a]pyrene toxicity by, 105, 117-118, 119

Narcotic addiction, propoxyphene used in maintenance treatment for, 473-478

National Clearinghouse for Poison Control Centers, 377-380

National Toxicology Program, 405-406

Nebert, D. W., 99-122

Nelson, B. K., 149-166

Nitrites, aliphatic

- physical and chemical properties of, 318

- physiological effects of, 317-329

- in animals, 319-321

- in humans, 321-323

Normacromerine, as the product of catecholamine metabolism in the psychoactive cactus, 233-241

Norpropoxyphene, thin-layer chromatographic method for analysis of in urine, 1-5

Nutrition, as a starting point for clinical toxicology education, 365-366

## O

O'Brien, C. P., 473-478

Oehme, F. W., 127-128

Organic brain syndrome, alcohol-induced, EEG correlates of, 345-358

## P

Pain, Discomfort, and Humanitarian Care, conference on, 129-131

Palmisano, P. A., 377-380

Pan American Medical Association, meeting of, 133

Patch testing, as a diagnostic tool for contact allergy, 418-419

- [Patch testing]  
contact allergies to vehicles  
used in, 438-442
- Patients, self-poisoned, unreliability of history given by, 381-384
- PCP. See Phencyclidine (PCP)
- Pentachlorophenol, bibliography of, 535-539
- Pentazocine-tripelennamine combinations, effect of on lethality in mice, 17-23
- Pentobarbital, effect of on carbon tetrachloride elevated serum enzyme activities in mice and rats, 41-50
- Perfumes, contact allergies from, 442-444
- Perry, R., 331-333
- Pesticides  
effects of on health, 549-553  
See also Carbamyl; Chlorobenzilate; Dichlorodiphenyltrichloroethane (DDT)
- Petty, C. S., 305-315
- Pharmacology. See Clinical pharmacology
- Phencyclidine (PCP)  
intoxication, 509-529  
clinical signs of, 511-512  
evaluation of level of and treatment for, 512-524  
emergence phenomena in, 522-524  
stages of, 512-522  
radioimmunoassay screening test for detection of, 7-15
- Phenobarbital  
modification of oral benzo[a]-pyrene toxicity by, 105, 117, 119  
on-column gas chromatographic synthesis of 1,3-dialkyl, benzyl, and cyclohexyl derivatives of, 189-199
- Photocontact dermatitis, 436-438
- Physostigmine, used in treatment of acute anticholinergic syndrome, 269-270
- Pitlik, S., 467-472
- Plants. See Cactus; Locoweed; Poinsettia
- Plumbism, chronic, multiple chelations for, 245-246
- Pneumonitis, hemorrhagic, following intravenous injection of naphtha, 335-343
- Podophyllum, teratogenic effects of on infant after topical application of on mother during pregnancy, 283-286
- Poinsettia, fresh, toxic effects of in rats, 167-173
- Polyaminocarboxylic acid, removal of chromium from organs of potassium chromate-administered rats by, 33-40
- Poulos, L., 385-387
- Pregnancy  
salicylate use during, 263-268  
topical application of podophyllum during, 283-286
- Preservatives, contact allergies to, 433-436
- Procainamide, comparison of EMIT and reverse-phase high-performance liquid chromatography in assay of, 51-54
- Propoxyphene, use of in maintenance treatment of narcotic addiction, 473-478
- Propoxyphene metabolite. See Norpropoxyphene
- Propranolol (Inderal), efficacy of as antedote to lethal levels of cocaine in the monkey, 504, 506, 507
- Prostaglandin synthetase blockers, role of in increased lung permeability induced by ethchlorvynol, 25-31
- Psoriasis, contact allergies to treatments for, 420-421
- Pulmonary edema, induced by ethchlorvynol, role of histamines and prostaglandins in, 25-31

## R

- Radioimmunoassay screening test  
 correlations between structure and reactivity in analysis of methaqualone-related substances by, 209-217  
 for detection of phencyclidine, 7-15
- Rappolt, R. T., 395-396, 509-529
- Rat studies  
 carcinogenicity of chlorbenzilate in, 77-94  
 comparative effects of mineral oil, vegetable oil, and sodium sulfate on intestinal adsorption of DDT in, 223-231  
 effects of acid and alkaline pretreatment on tissue distribution and urinary extraction of cocaine in, 135-148  
 effect of pentobarbital on carbon tetrachloride-induced toxicity in, 41-50  
 effect of polyaminocarboxylic acids on removal of chromium from organs of, after administration of potassium chromate, 33-40  
 embryotoxicity of locoweed in, 149-166  
 toxic effects of fresh poinsettia in, 167-173
- Rueber, M. D., 67-98
- Roberts, D., 245-246
- Roberts, R. J., 287-295
- Rodenticide. See Vacor poisoning
- Rosenfeld, J., 467-472
- Runyon, R., 167-173

## S

- Salicylate, levels of in a stillborn infant born to a drug-addicted mother, 263-268
- Sanders, H. D., 479-486

- Secobarbital, on-column gas chromatographic synthesis of 1,3-dialkyl, benzyl, and cyclohexyl derivatives of, 189-199
- Serum glutamate oxalacetate transaminase, effect of pentobarbital on carbon tetrachloride-induced elevations in, 41-50
- Serum glutamate pyruvate transaminase, effect of pentobarbital on carbon tetrachloride-induced elevations in, 41-50
- Shabanowitz, J., 487-497
- Sharma, R. P., 149-166
- Simmons, D. M., 401-402
- Sinn, J. A., 487-497
- Smith, P. J., 335-343
- Snakebite. See Envenomation
- Society of Toxicology, establishment and growth of, 361-362
- Sodium sulfate, effects of on intestinal adsorption of DDT in rats, 223-231
- Solvents, effects of on health, 549-553
- Spyker, D. A., 487-497
- Steroids, contact allergies to, 428-429
- Students, medical and health profession, education of in clinical toxicology, 365-370
- Summers, W. K., 269-281
- Sunshine, I., 175-180

## T

- Tandon, S. K., 33-40
- Teenagers, phencyclidine abuse among, 7-15
- Tennant, F. S., 473-478
- 1,2,3,4-Tetrahydro-5-amino acridine (THA), treatment of acute anticholinergic syndrome with, 269-281
- THA. See 1,2,3,4-Tetrahydro-5-amino acridine (THA)



Thevenin, M., 135-148

Thin-layer chromatography

analysis of urine samples for  
benzoylecgonine and nor-  
propoxyphene by, 1-5

analysis of urine samples for  
codeine and morphine by,  
61-66

via derivatization techniques,  
181-188

analysis of urine samples for  
methadone and its primary  
metabolite by, 55-59

reverse-phase, separation of  
barbiturates by, 219-221

See also EMIT-thin-layer chro-  
matography

Thiocyanate, temperature depen-  
dence in in vitro conversion  
of to cyanide, 127-128

Topical drugs

allergic reactions to. See Aller-  
gic reactions to topical drugs

teratogenic effects of podophyl-  
lum on newborn infant when  
applied to mother during  
pregnancy, 283-286

Toxicology

history of as a field, 361-362

See also Clinical toxicology;

Medical toxicology

Toxline, new subfile of, 403-404

1,1,1-Trichloroethane, intoxica-  
tion by, with transient liver  
and renal damage, 467-472

Tricyclic antidepressant over-  
dose. See Acute anticholinerg-  
ic syndrome

Triethylene tetramine hexaacetic  
acid (TTHA), removal of  
chromium by, 33-40

Tripelennamine

prolonged hallucinations follow-  
ing modest overdose of, 331-  
333

See also Pentazocine-tripelen-  
namine combinations

## U

Udinsky, J. R., 175-180

Urine samples, analysis of  
EMIT-thin-layer chromato-  
graphic method for, for  
diazepam, 201-207

thin-layer chromatographic pro-  
cedure for, for benzoylecgo-  
nine and norpropoxyphene,  
1-5

thin-layer chromatographic  
method for, for codeine and  
morphine, 61-66

via derivatization techniques,  
181-188

thin-layer chromatographic  
method for, for methadone  
and its primary metabolite,  
55-59

## V

Vacor poisoning, postmortem  
findings in a fatal case of,  
175-180

Vanadium, bibliography of, 547-  
548

Vaziri, N. D., 335-343

Vegetable oil, effects of on in-  
testinal adsorption of DDT  
in rats, 223-231

Vest, D. K., 299-303

Vitamins, contact allergies to,  
436

## W

Waldbott, G. L., 391-394

Walkin, E., 201-207

Waller, D. P., 17-23

Wasserman, G. S., 245-246

Watanabe, A. S., 283-286

Wilkinson, D. A., 345-358

Wilson, A., 335-343

Wilson, J. T., 371-376

Wilson, M. C., 499-508

Woody, G. E., 473-478

Wright, N., 381-384

X

X-ray crystallography, confirmation of atypical calcium oxalate crystals in ethylene glycol poisoning by, 479-486

Y

Yang, F. C., 1-5

Yeary, R. A., 223-231

Z

Zilm, D. H., 345-358

Ziminski, K., 219-221

